

PTO/SB/01 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>	<input checked="" type="checkbox"/> Declaration Submitted with Initial Filing	OR	<input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)
	<b>Att mey Docket Number</b> NLMI.P146		
	<b>First Named Invent r</b> Nataraj, Bindiganavale		
	<b>COMPLETE IF KNOWN</b>		
	<b>Application Number</b>		
	<b>Filing Date</b> Herewith		
<b>Art Unit</b>			
<b>Examiner Name</b>			

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**CONTENT ADDRESSABLE MEMORY WITH MODE-SELECTABLE MATCH DETECT  
TIMING**

(Title of the invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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**DECLARATION — Utility or Design Patent Application**Direct all correspondence to: ☐ Customer Number or Bar Code Label  OR ☒ Correspondence address below

Shemwell Gregory &amp; Courtney LLP

Name

Address 4880 Stevens Creek Boulevard, Suite 201

San Jose  
CityCalifornia  
State95129-1034  
ZIPU.S.A.  
Country408-236-6640  
Telephone408-236-6641  
Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**NAME OF SOLE OR FIRST INVENTOR :** ☐ A petition has been filed for this unsigned inventorGiven Name Bindiganavale S.  
(first and middle [if any])Family Name Nataraj  
or SurnameInventor's  
Signature*Bindiganavale S. Nataraj*

Date 12/12/2003

Cupertino  
Residence: CityCalifornia  
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CountryU.S.A.  
Citizenship

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ZIPU.S.A.  
Country**NAME OF SECOND INVENTOR:** ☐ A petition has been filed for this unsigned inventorGiven Name Sandeep  
(first and middle [if any])Family Name Khanna  
or SurnameInventor's  
Signature*Sandeep Khanna*

Date 12-12-03

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Citizenship

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ZIPU.S.A.  
Country☒ Additional Inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

PTO/SB/02A (10-00)

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**DECLARATION****ADDITIONAL INVENTOR(S)**  
**Supplemental Sheet**  
Page 1 of 1**Name of Additional Joint Inventor, if any:**☐ A petition has been filed for this unsigned inventor**Given Name**  
Varadarajan**Family Name or Surname**  
Srinivasan**Inventor's Signature****Date**

Dec. 12, 2003

**Residence: City**  
Los Altos Hills**State**  
California**Country**  
U.S.A.**Citizenship**  
U.S.A.**Mailing Address**27835 Lupine Road  
**Mailing Address****City**  
Los Altos Hills**State**  
California**ZIP**  
94022**Country**  
U.S.A.**Name of Additional Joint Inventor, if any:**☐ A petition has been filed for this unsigned inventor**Given Name****Family Name or Surname****Inventor's Signature****Date****Residence: City****State****Country****Citizenship****Mailing Address****Mailing Address****City****State****ZIP****Country****Name of Additional Joint Inventor, if any:**☐ A petition has been filed for this unsigned inventor**Given Name****Family Name or Surname****Inventor's Signature****Date****Residence: City****State****Country****Citizenship****Mailing Address****Mailing Address****City****State****ZIP****Country**

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Atty. Docket No.: NLMI.P146

*PATENT*

IN THE UNITED STATES PATENT OFFICE

**In Re Patent Application of:**

Nataraj et al.

Application No.: Not Yet Assigned

Filed: Herewith

For: CONTENT ADDRESSABLE MEMORY WITH  
MODE-SELECTABLE MATCH DETECT TIMING

Examiner: Not Yet Assigned

Art Unit: Not Yet Assigned

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Power of Attorney by Assignee and Certification**  
**Under 37 CFR §3.73(b)**

Sir:

I, the undersigned, acting on behalf of the Assignee of the entire right, title and interest in the above-referenced patent application, hereby revoke all prior powers of attorney for said application and appoint the practitioners at Customer Number 30554, the Customer Number of Shemwell Gregory & Courtney LLP, as my/our attorney(s) or agent(s) to prosecute said application, and to transact all business in the United States Patent and Trademark Office connected therewith. This appointment is to the exclusion of the inventor(s) and their attorney(s) and agent(s) in accordance with the provisions of 37 CFR 3.71.

Effective immediately, please direct all further communications in the above-identified patent application to the following address:


**Shemwell Gregory & Courtney LLP**  
**4880 Stevens Creek Blvd., Suite 201**  
**San Jose, CA 95129**

**Telephone: (408) 236-6640**  
**Facsimile: (408) 236-6641**  
**Customer No. 30554**

In accordance with 37 CFR 3.73(b), I hereby certify that I am empowered to act on behalf of the Assignee. To the best of my knowledge and belief, title is in the Assignee, as evidenced by the duly executed assignment document enclosed herewith.

I further declare that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18,

USC §1001 and that such willful false statements may jeopardize the validity of the this application or any patent resulting therefrom.

ASSIGNEE: NetLogic Microsystems, Inc.  
Signature:   
Typed Name: Roland B. Cortes  
Title: Senior Director of Legal Affairs  
Date: DECEMBER 12, 2003  
Address: 450 National Avenue  
Mountain View, California 94043

**IN THE UNITED STATES PATENT OFFICE**

In Re Patent Application of:	)	
	)	Examiner: Not Yet Assigned
Nataraj et al.	)	
	)	Art Unit: Not Yet Assigned
Application No.: Not Yet Assigned	)	
	)	
Filed: Herewith	)	
	)	
For: CONTENT ADDRESSABLE MEMORY WITH	)	
MODE-SELECTABLE MATCH DETECT TIMING	)	
_____	)	

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**APPOINTMENT OF ASSOCIATE ATTORNEY**

Sir:

I, the undersigned, am a principal attorney of record for the above-identified patent application by virtue of a duly executed power of attorney filed herewith and, as such, hereby appoint Roland B. Cortes, Reg. No. 39,152, of NetLogic Microsystems, Inc. located at 450 National Ave., Mountain View, CA 94043, telephone (650) 961-6676, as an associate attorney with full authority to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith.

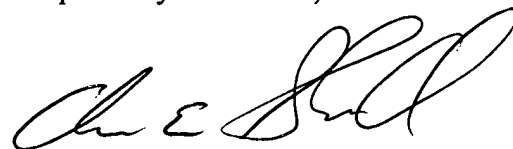
Please continue to direct all communications regarding the above-identified patent application to the following address:

**Shemwell Gregory & Courtney LLP**  
**4880 Stevens Creek Blvd., Ste. 201**  
**San Jose, CA 95129**

**Telephone: (408) 236-6640**  
**Facsimile: (408) 236-6641**  
**Customer No. 30554**

Respectfully Submitted,

Date December 12, 2003



Charles E. Shemwell  
Reg. No. 40,171